

ROTHEN 2000/P SPECIAL

Viscous Lubricant with High Adhesive and Anti-wear Power

DESCRIPTION

ROTHEN 2000/P SPECIAL is a viscous lubricant with powerful adhesive features, also characterized by pronounced anti-wear and anti-friction properties. Because of its constitutive features, it can be used pure or as an additive both. The presence of the LCC system (load carrying capacity) enhances its ability to support the load under severe lubrication conditions (high temperatures and high loads) such as those typical of boundary lubrication.

Its formulation does not contain chlorine, is free from dust and inorganic matter in dispersion, and is completely soluble in the most common base lubricants (polyglycols excluded).

APPLICATIONS:

The product can be used pure or as an additive.

In the first case it is recommended to replace fluid greases for the lubrication of uncovered systems such as: chains, ropes, gears, rails (rail flange rim).

It may also be used on conveyor belts and lifting equipment (augers, conveyors, tool holder devices, elevators, escalators), guides and large slides, headwork compression or torsion.

As an additive, it can be added to the lubricant in operation which does not satisfy the expected EP / anti-friction performance, either due to an insufficient additivation, or to the progressive impoverishment of the original performance.

It is particularly recommended in the following cases:

- Drop of performance caused by excessive and / or premature wear;
- To extend the life of the lubricant;
- To avoid excessive noise of the lubricated parts.

METHODS OF EMPLOYMENT:

If it is used as a lubricant for chains and wire ropes, it is recommended to dilute the product with a suitable hydrocarbon solvent, favoring the penetration.

When used as an additive, it needs to be added directly to the lubricant in use at 20-25 %. **ROTHEN 2000/P SPECIAL** is compatible with mineral-based and synthetic lubricants both (polyglycol excluded).

PERFORMANCE:

High adhesive performance:

Reduced oil consumption and longer intervals of lubrication and maintenance. It maintains a protective lubricant layer, even at high temperatures (100-120 ° C). It can reduce the eventual losses. It may attenuate the noise of moving mechanical parts.

Ability to sustain the load:

Thanks to the LCC (load carrying capacity), **ROTHEN 2000/P SPECIAL** gives the lubricant to which is added the ability to form a protective layer. This prevents the contact between the roughness of interested metal surfaces, even at the strictest regimes of lubrication .

Strong anti-friction and EP characteristics:

Lesser heat dissipation, resulting in a lesser oil temperature increase, which translates into a slowdown of the processes of oxidative degradation.

This leads to:

- Prolongation of oil life;
- Energy saving.



TYPICAL PHYSICAL-CHEMICAL CHARACTERISTICS: (*)

FEATURE	METHOD	OUTCOME
Kinematic Viscosity at 40°C at 100°C	ASTM D 445	620 mm ² /s 44 mm ² /s
Density at 15°C	ASTM D 1298	0.948 Kg/l
Flammability point (PMCC)	ASTM D 92	287°C
Pour Point	ASTM D 97	-6°C

(*): The values are based on typical production, and may consequently vary.

